

[0065] What is claimed and desired to be secured by United States Letters Patent is:

WORKMAN, NYDEGGER & SEELEY

A PROFESSIONAL CORPORATION

ATTORNEYS AT LAW

1000 EAGLE GATE TOWER

60 EAST SOUTH TEMPLE

SALT LAKE CITY, UTAH 84111

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1. In a network system that includes a server computer system network connectable to a client computer system, the server computer system hosting a document, the client computer system capable of interpreting the document for subsequent display of a displayable form of the document, a method of the client computer system overlaying content over the displayable form of the document in response to an event, the method comprising the following:

- a specific act of retrieving the document from the server computer system;
- a specific act of detecting a reference in the document to computer-executable instructions not included in the document;
- a specific act of retrieving the computer-executable instructions;
- a specific act of detecting an event; and
- a specific act of executing the computer-executable instructions to thereby implement the following:
 - a specific act of retrieving content in response to the event;
 - a specific act of overlaying the content over the displayable form of the document after retrieving the content.

2. A method in accordance with Claim 1, wherein the specific act of retrieving the document from the server computer system comprises the following:

- a specific act of retrieving a HyperText Markup Language (HTML) document from the server computer system.

1 3. A method in accordance with Claim 2, wherein the specific act of detecting
2 a reference in the document to computer-executable instructions not included in the
3 document comprises the following:

4 a specific act of the detecting a SCRIPT tag in the HTML document.
5

6 4. A method in accordance with Claim 1, wherein the specific act of retrieving
7 the computer-executable instructions comprises the following:

8 a specific act of retrieving computer-executable instructions that operate to overly a
9 window over the displayable form of the document even if other windows or frames
10 already overly the displayable form of the document.
11

12 5. A method in accordance with Claim 4, wherein the specific act of retrieving
13 computer-executable instructions that operate to overly a window comprises the following:

14 a specific act of using the computer-executable instructions to generate a scriptlet.
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16 6. A method in accordance with Claim 1, wherein the specific act of detecting
17 an event comprises the following:

18 a specific act of detecting that a pointer has moved to a certain region of the
19 displayable form of the document.
20

21 7. A method in accordance with Claim 6, wherein the specific act of retrieving
22 content in response to the event comprises the following:

23 a specific act of retrieving help information related to the area of the displayable
24 form of the document over which the pointer has moved.

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8. A method in accordance with Claim 1, wherein the specific act of retrieving the computer-executable instructions comprises the following:

a specific act of retrieving one or more data structures that represent at least some of the content that might be displayed in response to events that might occur while the displayable form of the document is being displayed.

9. A method in accordance with Claim 1, wherein the specific act of retrieving one or more data structures comprises the following:

retrieving one or more data structures that are structured in accordance with the eXtensible Markup Language (XML) format.

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1 10. In a network system that includes a server computer system network
2 connectable to a client computer system, the server computer system hosting a document,
3 the client computer system capable of interpreting the document for subsequent display of
4 a displayable form of the document, a method of the client computer system overlaying
5 content over the displayable form of the document in response to an event, the method
6 comprising the following:

7 a step for retrieving the document and associated computer-executable instructions
8 from the server computer system;

9 a specific act of detecting an event; and

10 a step for executing the computer-executable instructions so as to overlay the
11 content over the displayable form of the document in response to the event.
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1 11. In a network system that includes a server computer system network
2 connectable to a client computer system, the server computer system hosting a document,
3 the client computer system capable of interpreting the document for subsequent display of
4 a displayable form of the document, a computer program product for implementing a
5 method of overlaying content over the displayable form of the document in response to an
6 event, the computer program product comprising a computer-readable medium having
7 stored thereon the following:

8 computer-executable instructions for detecting a reference in the document to
9 computer-executable instructions not included in the document;

10 computer-executable instructions for causing the computer-executable instructions
11 not included in the document to be retrieved from the server computer system;

12 computer-executable instructions for retrieving content in response to a detected
13 event; and

14 computer-executable instructions for overlaying the content over the displayable
15 form of the document after retrieving the content.

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17 12. A computer program product in accordance with Claim 11, further
18 comprising the following:

19 computer-executable instructions for causing one or more data structures to be
20 retrieved, the one or more data structures representing at least some of the content that
21 might be displayed in response to events that might occur while the displayable form of the
22 document is being displayed.

23

1 13. A computer program product in accordance with Claim 12, wherein the
2 computer-executable instructions for retrieving content in response to a detected event
3 comprise the following:

4 computer-executable instructions for retrieving the content from the one or more
5 data structures.

6
7 14. A computer program product in accordance with Claim 11, wherein the
8 computer-readable medium is a physical storage media.

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1 15. In a network system that includes a server computer system network
2 connectable to a client computer system, the server computer system hosting a document,
3 the client computer system capable of interpreting the document for subsequent display of
4 a displayable form of the document, a method of the client computer system overlaying
5 content over the displayable form of the document in response to an event, the method
6 comprising the following:

- 7 a specific act of retrieving an HTML document from the server computer system;
- 8 a specific act of detecting a script tag in the HTML document;
- 9 a specific act of retrieving computer-executable instructions identified by the script
- 10 tag, the computer-executable instructions for overlying a window over the displayable
- 11 form of the document even if other windows or frames already overly the displayable form
- 12 of the document;

- 13 a specific act of detecting that a pointer has moved to a certain region of the
- 14 displayable form of the document; and

- 15 a specific act of executing the computer executable instructions to thereby
- 16 implement the following:

- 17 a specific act of retrieving contextual help in response to the movement of
- 18 the pointer to the certain region; and

- 19 a specific act of overlaying the contextual help over the displayable form of
- 20 the document after retrieving the content.
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1 16. In a network system that includes a server computer system network
2 connectable to a client computer system, the server computer system hosting a document,
3 the client computer system capable of interpreting the document for subsequent display of
4 a displayable form of the document, a method of the client computer system overlaying
5 content over the displayable form of the document in response to an event, the method
6 comprising the following:

- 7 a specific act of displaying the displayable form of the document;
- 8 a specific act of displaying a first window over a portion of the displayable form of
- 9 the document;
- 10 a specific act of receiving a user input designating the movement of a pointer to a
- 11 certain region of the displayable form of the document;
- 12 a specific act of retrieving content associated with the certain region in response to
- 13 receiving the user input designating the movement of a pointer to the certain region of the
- 14 displayable form of the document; and
- 15 a specific act of displaying the retrieved content in a second window over the
- 16 displayable form of the document at least partly during the specific act of displaying the
- 17 first window over the displayable form of the document.

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19 17. A method in accordance with Claim 16, wherein the specific act of
20 receiving a user input designating the movement of a point to a certain region of the
21 displayable form of the document comprises the following:

- 22 a specific act of detecting a pointing device cursor within the certain region.

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1 18. A method in accordance with Claim 16, wherein the specific act of
2 receiving a user input designating the movement of a pointer to a certain region of the
3 displayable form of the document comprises the following:

4 a specific act of detecting the movement using an OnMouseOver handler.
5

6 19. A method in accordance with Claim 16, wherein the specific act of
7 retrieving content associated with the certain region in response to receiving the user input
8 designating the movement is implemented by a scriptlet.
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10 20. A method in accordance with Claim 16, wherein the specific act of
11 displaying the retrieved content in a second window over the displayable form of the
12 document is implemented by a scriptlet.
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1 21. In a network system that includes a server computer system network
2 connectable to a client computer system, the server computer system hosting a document,
3 the client computer system capable of interpreting the document for subsequent display of
4 a displayable form of the document, a computer program product for implementing a
5 method of the client computer system overlaying content over the displayable form of the
6 document in response to an event, the computer program produce comprising a computer-
7 readable medium having stored thereon the following:

8 computer-executable instructions for causing the displayable form of the document
9 to be displayed;

10 computer-executable instructions for detecting the receipt of a user input
11 designating the movement of a pointer to a certain region of the displayable form of the
12 document;

13 computer-executable instructions for retrieving content associated with the certain
14 region in response to receiving the user input designating the movement of a pointer to the
15 certain region of the displayable form of the document; and

16 computer-executable instructions for causing the retrieved content to be displayed
17 in a window over the displayable form of the document while another window is also
18 being displayed over the displayable form of the document.

20 22. A computer program product in accordance with Claim 21, wherein the
21 computer-readable medium is a physical storage media.

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